

C CARVACROL

Chemid

CARVACROL

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Achillea millefolium	Leaf	--	--		--
Acinos suaveolens	Shoot	15	15	-0.6206811135071817	Tumen, G. 1991. The Volatile Constituents of Acinos suaveolens (Sibt. et Smith). G. Don fil. Growing in Turkey. J. Ess. Oil Res. 3:191-2.
Anethum graveolens	Plant	--	--		--
Anethum graveolens	Leaf	165	450	0.1349696974520959	--
Anethum graveolens	Seed Essent. Oil	--	--		--
Angelica sinensis	Root	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
Angelica sinensis	Root Essent. Oil	--	--		Jim Duke's personal files.
Artemisia annua	Shoot	40	1640	-0.4292748573282448	--
Artemisia cina	Flower	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Calamintha nepeta	Shoot	3	3	-0.6220945750912723	Kirimer, N., Baser, K.H.C., Ozek, T. and Kurkcuoglu, M. 1992. Composition of the Essential Oil of Calamintha nepeta subsp. glandulosa. J. Ess. Oil Res. 4:189-190
Camellia sinensis	Leaf	--	--		--
Carum carvi	Plant	--	--		--
Carum carvi	Seed	--	--		Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.
Carum carvi	Seed Essent. -- Oil	595300			--
Chrysanthemum parthenium	Shoot	--	--		Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
Cinnamomum camphora	Plant	--	--		--
Coleus barbatus	Leaf Essent. -- Oil	2000			Jim Duke's personal files.
Coleus barbatus	Stem Essent. -- Oil	2000			Jim Duke's personal files.
Coridothythus capitatus	Shoot	18105	18105	1.510112224509415	Lagouri, V., Blekas, G., Tsimidou, M., Kokkinis, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
Cunila origanoides	Shoot	--	504	-0.5630825539554893	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Dictamnus albus	Shoot	80	80	-0.6130248632600243	Baser, K.H.C., Kosar, M. Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of Dictamnus albus from Turkey. Planta Med. 60:481-2

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Dictamnus albus</i>	Shoot	--	15	-0.6206811135071817	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2
<i>Dictamnus albus</i>	Shoot	--	80	-0.6130248632600243	Baser, K.H.C., Kosar, M.Malyer, H. & Ozek, T. 1994. The Essential Oil Composition of <i>Dictamnus albus</i> from Turkey. <i>Planta Med.</i> 60:481-2
<i>Elytrigia repens</i>	Plant	--	50	-0.859879105792264	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Elytrigia repens</i>	Rhizome	--	55		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
<i>Gentiana lutea</i>	Essential Oil	--	--		Abstract (See species file)
<i>Glycyrrhiza glabra</i>	Root	--	--		--
<i>Glycyrrhiza glabra</i>	Root Essent. Oil	--	--		--
<i>Houttuynia cordata</i>	Plant	--	--		--
<i>Hyssopus officinalis</i>	Plant	1	1	-0.8666583045604165	--
<i>Juglans nigra</i>	Essential Oil	9000	9000	-0.9698476089081176	--
<i>Juniperus sabina</i>	Plant	--	--		--
<i>Laurus nobilis</i>	Leaf Essent. Oil	--	--		--
<i>Levisticum officinale</i>	Root	--	--		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Lippia graveolens</i>	Leaf	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Lonicera japonica	Flower	--	--		Schlotzhauer, W.S., S.D. Pair, and R.J. Horvat. 1996. Volatile constituents from the flowers of Japanese Honeysuckle. <i>J. Agric. Food Chem.</i> 44:206-209.
Melia azedarach	Essential Oil	--	--		--
Mentha pulegium	Plant	100	400	-0.8114562574483182	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Mentha pulegium	Essential Oil	10000	20000	-0.9288943509503852	--
Mentha spicata	Leaf	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Mentha spicata	Essential Oil	--	--		--
Mentha x piperita	Essential Oil	--	--		--
Micromeria congesta	Leaf	20	30	-0.5476394052016497	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. <i>J. Ess. Oil Res.</i> , 3: 387-393.
Micromeria fruticosa	Shoot	17	17	-0.6204455365764999	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of Micromeria fruticosa (L.) Druce subsp. barbata (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
Micromeria fruticosa	Shoot	--	17	-0.6204455365764999	Fleisher, Z. and Fleisher, A. 1991. The Essential Oil of Micromeria fruticosa (L.) Druce subsp. barbata (Boiss et. Ky.), P.H. Davis. Aromatic Plants of the Holy Land and the Sinai. Part VII. <i>J. Ess. Oil Res</i> 3: 477-479.
Micromeria juliana	Leaf	1900	1900	2.4915963613757413	Kirimer, N., Ozek, T., and Baser, K.H.C. 1991. Composition of the Essential Oil of Micromeria congesta. <i>J. Ess. Oil Res.</i> , 3: 387-393.
Micromeria myrtifolia	Shoot	2	2	-0.6222123635566132	Ozek, T., Kirimer, N., and Baser, K.H.C. 1992. Composition of the Essential Oil of Micromeria myrtifolia Boiss. et Hohen. <i>J. Ess. Oil Res.</i> , 4: 79-80.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Monarda citriodora	Flower	385	385		Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of Monarda citriodora var. citriodora grown in the United Kingdom. J. Ess. Oil Res. 6: 27-9.
Monarda citriodora	Leaf	250	250	-0.19008225619254485	Collins, J.E., Bishop, C.D., Deans, S.G. and Svoboda, K.P. 1994. Composition of the Essential Oil from the Leaves and Flowers of Monarda citriodora var. citriodora grown in the United Kingdom. J. Ess. Oil Res. 6: 27-9.
Monarda citriodora	Plant	316	316	-0.8230777410508652	--
Monarda didyma	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Monarda fistulosa	Plant	93	19902	1.8866648522763463	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda lindheimeri	Plant	7024	7024	0.10498073520967481	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda media	Plant	2736	2736	-0.4882683325012964	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda punctata	Plant	4169	12507	0.8635592422664041	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Monarda russeliana	Plant	528	528	-0.7937473300539608	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Murraya koenigii	Leaf	--	0.1	-0.5962346722715234	--
Myrtus communis	Plant	2	3	-0.8663816025698796	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Nepeta cataria</i>	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
<i>Nepeta racemosa</i>	Shoot	170	170	-0.6024239013793447	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. <i>J. Ess. Oil Res.</i> 5: 215-7.
<i>Nepeta racemosa</i>	Shoot	--	170	-0.6024239013793447	Baser, K.H.C., Ozek, T., Akgul, A. and Tumen, G. 1993. Composition of the Essential Oil of <i>Nepeta racemosa</i> Lam. <i>J. Ess. Oil Res.</i> 5: 215-7.
<i>Ocimum basilicum</i>	Shoot Essent. Oil	--	6800	-0.7212680383887677	--
<i>Ocimum basilicum</i>	Plant	--	--		--
<i>Ocimum gratissimum</i>	Plant	5	190	-0.8405099664546857	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Ocimum sanctum</i>	Leaf	180	210	-0.255092646921473	Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
<i>Ocimum tenuiflorum</i>	Leaf	180	210	-0.255092646921473	--
<i>Oenanthe javanica</i>	Shoot	--	--		--
<i>Origanum creticum</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Origanum majorana</i>	Plant	1092	6261	0.6439962127754266	--
<i>Origanum majorana</i>	Essential Oil	388800	795000	1.956448823344398	--
<i>Origanum minutiflorum</i>	Shoot	16890	20000	1.7333213663303906	Baser, K.H.C., Tumen, G., Sezik, E. 1991. The Essential Oil of <i>Origanum minutiflorum</i> O. Schwarz and P.H. Davis. <i>J. Ess. Oil Res.</i> 3: 445-446.
<i>Origanum onites</i>	Plant	8310	8310	0.2829001151248588	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum onites	Shoot	15420	15420	1.1938501950691405	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Frag. J.</i> 8: 331-7.
Origanum onites	Shoot	--	15420	1.1938501950691405	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Frag. J.</i> 8: 331-7.
Origanum sipyleum	Shoot	1025	1025	-0.5017147635128886	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum sipyleum	Shoot	--	18	-0.6203277481111591	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum sipyleum	Shoot	--	1025	-0.5017147635128886	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum sipyleum	Shoot	--	2050	-0.3809815865384822	Baser, K.H.C., Ozek, T., Kurkcuoglu, M. and Tumen, G. 1992. Composition of the Essential Oil of <i>Origanum sipyleum</i> of Turkish Origin. <i>J. Ess. Oil Res.</i> 4: 139-142.
Origanum syriacum	Shoot	24850	24850	2.304595423233679	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123.
Origanum syriacum	Shoot	--	24850	2.304595423233679	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123.
Origanum syriacum	Shoot	--	23765	2.1767949383388197	Fleisher, A. & Fleisher, Z. 1991. Chemical Composition of <i>Origanum syriacum</i> L. Essential Oil. <i>J. Ess. Oil Res.</i> 3: 121-123.
Origanum vulgare	Plant	6	6	-0.8659665495840744	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. <i>J. Ess. Oil Res.</i> , 5: 425-431.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Origanum vulgare	Shoot	26865	26865	2.541939180895561	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. Z. Lebensm Unters Forsch 197: 20-23.
Origanum vulgare	Plant	23960	23960	2.448093191075582	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum vulgare	Plant	12	12	-0.8651364436124639	Sezik, E., Tumen, G., Kirimer, N., Ozek, T., and Baser, K.H.C. 1993. Essential Oil Composition of Four <i>Origanum vulgare</i> Subspecies of Anatolian Origin. J. Ess. Oil Res., 5: 425-431.
Origanum vulgare	Plant	1.5	640	-0.4517436697504344	--
Origanum vulgare	Plant	6	640	-0.7782520185838981	--
Origanum vulgare	Essential Oil	136300	140000	-0.4821315368660316	--
Origanum vulgare	Flower Essent. Oil	--	--	--	--
Origanum vulgare	Shoot	--	--	--	--
Origanum vulgare	Shoot Essent. Oil	6000	795800	1.414118386709685	--
Peumus boldus	Leaf	0	6	-0.5866456396390065	--
Piper betel	Leaf	45	2350	3.222963257076183	--
Piper nigrum	Fruit	--	--	--	--
Plantago asiatica	Flower	--	--	--	--
Plantago asiatica	Leaf	--	--	--	--
Plantago asiatica	Root	--	--	--	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
Plectranthus amboinicus	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Plectranthus amboinicus	Essential Oil	--	430000	0.5975452638378229	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Pycnanthemum nudum	Shoot	325	910	-0.5152604370270902	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Pycnanthemum virginianum	Shoot	--	--		Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
Rosmarinus officinalis	Leaf	5	6	-0.5866456396390065	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus officinalis	Leaf	--	6	-0.5866456396390065	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus officinalis	Leaf	--	5	-0.5882708994072298	Soliman, F.M., El-Kashoury, M.M., Fathy, M.M. and Gonaid, M.H. 1994. Analysis and Biological Activity of the Essential Oil of Rosmarinus officinalis L. from Egypt. Flavour and Fragrance J. 9: 29-33.
Rosmarinus officinalis	Plant	--	--		--
Rosmarinus officinalis	Shoot Essent. Oil	--	17300	-0.6928503483209176	--
Sarracenia flava	Leaf Essent. Oil	--	--		--
Sarracenia flava	Essential Oil	--	--		--
Satureja cilicica	Shoot	3005	3005	-0.2684936021379377	Tumen, G. Baser, K.H.C. and Kirimer, N. 1993. The Essential Oil of Satureja cilicica P.H. Davis. J. Ess. Oil Res. 5: 547-548.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Satureja cuneifolia</i>	Shoot	8760	8760	0.4093790158988513	Tumen, G. 1991. The Volatile Constituents of <i>Satureja cuneifolia</i> . <i>J. Ess. Oil Res.</i> , 3: 365-366.
<i>Satureja hortensis</i>	Plant	18	6000	0.350692102806383	--
<i>Satureja montana</i>	Plant	75	17250	1.519758012824505	--
<i>Satureja montana</i>	Essential Oil	356000	412300	0.5316477487603808	--
<i>Satureja obovata</i>	Leaf	260	260	-0.17382965851031282	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Satureja obovata</i>	Leaf	--	260	-0.17382965851031282	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Satureja obovata</i>	Leaf	--	680	0.5087794441434327	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Satureja obovata</i>	Leaf	--	160	-0.3363556353326332	Arrebola, M.L., Navaro, M.C., Jimenez, J. and Ocana, F.A. 1994. Variations in Yield and Composition of the Essential Oil of <i>Satureja obovata</i> . <i>Phytochemistry</i> 35(1): 83.
<i>Satureja obovata</i>	Shoot	1	115	-0.6089022669730932	Fitoterapia No.60: 277.
<i>Satureja subspicata</i>	Plant	220	220	-0.8363594365966331	Stanic, G., Petricic, J., and Blazevic, N. 1991. Gas Chromatographic Investigations of Essential Oils of <i>Satureja montana</i> and <i>Satureja subspicata</i> from Yugoslavia. <i>J. Ess. Oil Res.</i> , 3: 153-158.
<i>Satureja thymbra</i>	Shoot	19830	19830	1.7132973272224403	Lagouri, V., Blekas, G., Tsimidou, M., Kokkini, S., and Boskou, D. 1993. Composition and Antioxidant Activity of Essential Oils from Oregano Plants Grown Wild in Greece. <i>Z. Lebensm Unters Forsch</i> 197: 20-23.
<i>Schinus molle</i>	Fruit	--	--	--	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Stevia rebaudiana</i>	Flower	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
<i>Stevia rebaudiana</i>	Shoot	--	--		Kinghorn, A. D. (Ed.) 2002. Medicinal and Aromatic Plants - Industrial Profiles. Stevia. The genus Stevia. Taylor & Francis. New York, NY. 211 pp.
<i>Tamarindus indica</i>	Fruit Essent. Oil	--	5000		--
<i>Tanacetum parthenium</i>	Shoot	--	--		Hendriks, H., Bos, R., and Woerdenbag, H. J. 1996. The Essential Oil of Tanacetum parthenium (L.) Schultz-Bip. Flavor and Fragrance Journal 11(6): 367-71.
<i>Teucrium cyprium</i>	Leaf	155	155	-0.34448193417374917	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
<i>Teucrium divaricatum</i>	Leaf	9	9	-0.5817698603343369	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
<i>Teucrium gnaphalodes</i>	Shoot	0.5	0.5	-0.6223890462546245	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. J. Ess. Oil Res. 5: 397-402.
<i>Teucrium kotschyanum</i>	Leaf	360	360	-0.011303681687992447	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
<i>Teucrium micropodioides</i>	Leaf	32	32	-0.5443888856652033	Arnold, N., Bellomaria, B., Valentini G. and Rafaiani, S.M. 1991. Comparative Study on Essential Oil of Some Teucrium Species from Cyprus. J. Ethnopharm. 35: 105-113.
<i>Teucrium polium</i>	Shoot	2	2	-0.6222123635566132	Perez-Alonso, M.J. Velasco-Negueruela, A. and Lopez-Saez, J.A. 1993. The Essential Oils of Two Iberian Teucrium Species. J. Ess. Oil Res. 5: 397-402.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus broussonettii</i>	Shoot	5330	5330	0.005364579779618214	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of <i>Thymus broussonettii</i> , <i>T. zygis</i> and <i>T. saturejoides</i> . <i>J. Ess. Oil Res.</i> 5: 45-53.
<i>Thymus capitatus</i>	Plant	6700	7900	0.22617620706480793	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
<i>Thymus capitatus</i>	Shoot	6130	6130	0.09959535205232564	Biondi, D., Cianci, P., Geraci, C. and Ruberto, G. 1993. Antimicrobial Activity and Chemical Composition of Essential Oils from Sicilian Aromatic Plants. <i>Flav. & Fragr. J.</i> 8: 331-7.
<i>Thymus cilicicus</i>	Shoot	0.1	0.1	-0.6224361616407609	Tumen, G., Koyuncu, M., Kirimer, N., and Baser, K.H.C. 1994. Composition of the Essential Oil of <i>Thymus cilicicus</i> Boiss. & Bal. <i>J. Ess. Oil Res.</i> 6: 97-8.
<i>Thymus funkii</i>	Shoot	4	4	-0.6219767866259315	Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383.
<i>Thymus funkii</i>	Shoot	--	--		Vila, R., et al. 1995. Composition and study of the variability of the essential oil of <i>Thymus funkii</i> Cousson. <i>Flav. & Fragr. J.</i> 10(6): 379-383.
<i>Thymus longicaulis</i>	Shoot	8	8	-0.6215056327645679	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus longicaulis</i>	Shoot	--	8	-0.6215056327645679	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus longicaulis</i>	Shoot	--	8	-0.6215056327645679	Baser, K.H.C., Ozek, T., Kirimer, N. and Tumen, G. 1993. The Occurrence of Three Chemotypes of <i>Thymus longicaulis</i> C. Presl subsp. <i>longicaulis</i> in the same Population. <i>J. Ess. Oil Res.</i> 5: 291-5.
<i>Thymus orospedanus</i>	Plant	2730	2730	-0.4890984384729069	<i>J. Nat. Prod.</i>
<i>Thymus riatarum</i>	Shoot	2675	2675	-0.30736379570042954	Iglesias, J., Vila, R., Canigueral, S., Bellakdhar, and II Idrissi, A. 1991. Analysis of the Essential Oil of <i>Thymus riatarum</i> . <i>J. Ess. Oil Res.</i> 3: 43-4.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Thymus saturejoides	Shoot	20	20	-0.6200921711804773	Tantaoui-Elaraki, A., Lattaoui, N., Errifi, A. and Benjlali, B. 1993. Composition and Antimicrobial Activity of the Essential Oils of Thymus broussonettii, T. zygis and T. saturejoides. J. Ess. Oil Res. 5: 45-53.
Thymus serpyllum	Plant	318	10505	0.5865805497390337	--
Thymus vulgaris	Plant	8	18720	1.7231339758690776	--
Thymus vulgaris	Shoot	--	--	--	--
Thymus vulgaris	Essential Oil	16700	80200	-0.7047683392180678	--
Thymus zygis	Shoot	350	3550	-0.2042988885271558	De Cunha, A.P. and Salguiero, L.R. 1991. The Chemical Polymorphism of Thymus zygis ssp. sylvestris from Central Portugal. J. Ess. Oil Res. 3: 409-12.
Thymus zygis	Shoot	385	385	-0.5770993813310545	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. Thymus zygis Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. JEO5: 153-8.
Thymus zygis	Shoot	--	385	-0.5770993813310545	Jimenez, J., Navarro, M.C., Montilla, M.P., Martin, A. and Martinez, A. 1993. Thymus zygis Oil: Its Effects on CCl4-Induced Hepatotoxicity and Free Radical Scavenger Activity. JEO5: 153-8.
Trachyspermum ammi	Fruit	1350	2720	--	--
Valeriana officinalis	Root	10	195	--	--
Zea mays	Seed	--	--	--	--
Zea mays	Silk Stigma Style	144	216	--	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
Zea mays	Seed Essent. Oil	--	--	--	--